

Appln. No.: 10/713,450  
Amdt. dated November 11, 2005

### REMARKS

In the Office Action dated October 11, 2005, the Examiner asserts that the reply filed by Applicant on 6/28/05 is not fully responsive to the prior Office Action, alleging that Applicant did not respond to the objection to claims 24 and 32. Applicant submits that Applicant did in fact respond to this objection in the remarks of the 6/28/05 Amendment by asserting that the objection was off base. To wit, the Examiner required Applicant to amend claim 24 to change "32-inverse Fourier transformer" to "32-inverse fast Fourier transformer." Applicant respectfully submits that this change is unnecessary and further submits that claim 24 is fully supported by the specification. The specification makes numerous references to a fast Fourier transform and a fast Fourier transformer. Applicant respectfully submits that a fast Fourier transform is a type of Fourier transform. See, for example, "Fast Fourier Transform," Eric W. Weisstein, From *MathWorld*--A Wolfram Web Resource (<http://mathworld.wolfram.com/FastFourierTransform.html>), which states, "The fast Fourier transform (FFT) is a discrete Fourier transform algorithm..." Therefore, a Fourier transform is supported in the specification by the disclosure of the fast Fourier transform. In a telephonic interview between Applicant's representative and the Examiner, the Examiner asserted that a fast Fourier transform is not a type of Fourier transform. Applicant submits that a fast Fourier transform is, in fact, a type of Fourier transform. Therefore, Applicant submits that claim 24 is fully supported by the specification.

Applicant would also point out that the specification does in fact make reference to a Fourier transform without the "fast" modifier in front of it, on page 25, line 30, referring to FIG. 13. This is indicative of the fact that a fast Fourier transform is a type of Fourier transform.

The Examiner also required Applicant to similarly amend claim 32. Applicant declines to amend claim 32 for the same reasons set out above and respectfully submits that claim 32 is fully supported by the specification.

In view of the foregoing, Applicant submits that the application is in condition for allowance.

FROM McANDREWS, HELD, & MALLOY

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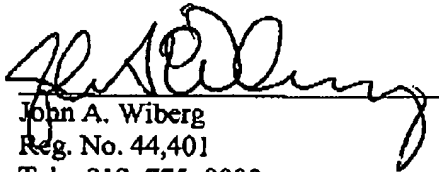
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The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to the deposit account of McAndrews, Held & Malloy, Account No. 13-0017.

Date: November 11, 2005

Respectfully submitted,

MCANDREWS, HELD & MALLOY, LTD.

  
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